

ABSTRACT

A swivel joint apparatus for supplying utilities to a rotating building rotatable about a central axis has a first, fixed member for securing to a fixed base of the building to extend co-axially with a central axis of rotation of the building, and a second member rotatably mounted on the first member for securing to the rotatable part of the building. The first member has a series of spaced annular chambers and at least one ring seal mounted on the peripheral edge of each flange for rotatable sealing engagement with the outer casing so that the casing forms an outer wall of each of the annular chambers. A lower end wall of the spindle has a plurality of ports for connection to fixed utility lines in the base for fluid supply to and from the building, each port connected through the spindle to a respective annular chamber. The outer casing has a series of axially spaced ports for connection to respective utility lines in the rotatable part of the building, the ports including at least one port communicating with each of the annular chambers.